

A B S T R A C T

The field of the invention is that of chromatic dispersion compensation modules and of methods of designing chromatic dispersion compensation modules. The design method includes an optimization step consisting in reducing an original quality criterion at a chosen constant average figure of merit for the compensation optical fiber by increasing the attenuation of the compensation optical fiber. The compensation optical fiber of the module has chromatic dispersion more negative than a first threshold and, for a given figure of merit, attenuation that is sufficiently high for the quality criterion to be less than a second threshold and a quality-to-price ratio criterion to be less than a third threshold.